10/25/83
A2575-1

American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 64 **For Week Ended** October 14, 1983 **NO.** 41

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 10/14/83	Last Week Ending: 10/07/83	Last Year Week Ending: 10/15/82		Change From Last Week		Change From Last Year
Refinery Operations							
Input to crude oil distillation units	12,095	12,335	12,245	-	240	-	150
Operable capacity	16,309	16,294	16,663		0	-	354
Percent operated	74.2	75.7	73.5				
Motor Gasoline							
Total motor gasoline production	6,266	6,391	6,300	-	125	-	34
Finished leaded motor gasoline production	2,746	2,796	*N/A*	-	50		*N/A*
Finished unleaded motor gasoline production	3,520	3,595	*N/A*	-	75		*N/A*
Total motor gasoline stocks	231,139	228,504	234,905	+	2,635	-	3,766
Finished leaded motor gasoline stocks	98,490	95,447	*N/A*	+	3,043		*N/A*
Finished unleaded motor gasoline stocks	94,089	94,102	97,228	-	13	-	3,139
Distillate Fuel Oil							
Distillate fuel oil production	2,637	2,678	2,840	-	41	-	203
Distillate fuel oil stocks	159,641	157,497	168,722	+	2,144	-	9,081
Residual Fuel Oil							
Residual fuel oil production	747	717	994	+	30	-	247
Residual fuel oil stocks	47,796	47,310	59,917	+	486	-	12,121
Imports							
Crude oil imports	3,340	3,283	3,203	+	57	+	137
Product imports	1,884	1,865	1,084	+	19	+	800
Crude Oil Stocks							
Crude oil stocks	350,954	349,450	340,190	+	1,504	+	10,764

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 682-8516

NA-Not Available

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STATISTICS DEPARTMENT
VOL. 64 For Week Ended OCTOBER 14, 1983 NO. 41

U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	1,050	945	982	1,229	79.9
Appal. No. 1	84	80	80	177	45.2
DISTRICT 1 TOTAL	1,134	1,025	1,062	1,406	75.5
Appal. No. 2	73	71	73	66	110.6
Ind., Ill., Ky.	1,956●	1,843	1,884	2,345	80.3
Minn., Wis., Daks.	197	188	195	296	65.9
Okla., Kans., Mo.	648	587	608	827	73.5
DISTRICT 2 TOTAL	2,874●	2,689	2,760	3,534	78.1
Inland Texas	503	483	489	585	83.6
Texas Gulf Coast	3,385	3,099	3,201	3,907	81.9
La. Gulf Coast	2,054	1,867	1,877	2,890	64.9
N. La. and Ark.	196	188	194	286	67.8
New Mexico	97	76	78	105	74.3
DISTRICT 3 TOTAL	6,235	5,713	5,839	7,773	75.1
DISTRICT 4 TOTAL	417	424	426	536	79.5
DISTRICT 5 TOTAL	1,970	1,993	2,008	3,060	65.6
TOTAL U.S.	12,630	11,844	12,095	16,309	74.2
TOTAL U.S.					
Weeks Ended:					
OCT. 7, 1983	12,591●	12,067	12,335	16,294	75.7
OCT. 15, 1982	13,089	11,840	12,245	16,663	73.5
DISTRICTS 1-4					
Weeks Ended:					
OCT. 14, 1983	10,660	9,851	10,087	13,249	76.1
OCT. 7, 1983	10,636●	10,100	10,315	13,234	77.9
OCT. 15, 1982	11,023	9,961	10,332	13,580	76.1

● SEE REVISIONS ON PAGE 8

API WEEKLY STATISTICAL BULLETIN
Week Ended *OCTOBER* 14, 1983

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline		Jet Fuel		Distillate Fuel Oil[2]	Residual Fuel Oil
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type		
East Coast	494	176	318	4	28	209	62
Appal. No. 1	24	13	11	1	--	24	3
DISTRICT 1 TOTAL	518	189	329	5	28	233	65
Appal. No. 2	44	24	20	--	1	19	4
Ind., Ill., Ky.	1,125	508	617	16	106	375	25
Minn., Wis., Daks.	127	51	76	2	14	43	5
Okla., Kans., Mo.	423	229	194	17	8	170	10
DISTRICT 2 TOTAL	1,719	812	907	35	129	607	44
Inland Texas	283	150	133	17	10	110	18
Texas Gulf Coast	1,494	596	898	36	258	756	234
La. Gulf Coast	1,002	412	590	14	192	410	99
N. La. and Ark.	65	24	41	2	--	59	10
New Mexico	40	21	19	8	1	25	2
DISTRICT 3 TOTAL	2,884	1,203	1,681	77	461	1,360	363
DISTRICT 4 TOTAL	217	135	82	10	19	104	7
DISTRICT 5 TOTAL	928	407	521	41	189	333	268
TOTAL U.S.	6,266	2,746	3,520	168	826	2,637	747
TOTAL U.S. Weeks Ended:							
OCT. 7, 1983	6,391	2,796	3,595	184	828	2,678	717
OCT. 15, 1982	6,300	*N/A*	*N/A*	198	752	2,840	994
DISTRICTS 1-4 Weeks Ended:							
OCT. 14, 1983	5,338	2,339	2,999	127	637	2,304	479
OCT. 7, 1983	5,446	2,399	3,047	128	623	2,359	453
OCT. 15, 1982	5,327	*N/A*	*N/A*	152	567	2,527	691

[1]Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.
[2]Includes Grade No. 4 fuel oil.

NA-Not Available

API WEEKLY STATISTICAL BULLETIN
Week Ended *OCTOBER* 14, 1983

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Motor Gasoline: Blending Components	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
New England	5,731	2,992	2,738	1	73	536	13,314	2,619	--
Central Atlantic	32,333	14,920	12,463	4,950	256	4,822	42,388●	16,268	15,581
Lower Atlantic	27,712	14,480	12,803	429	101	4,076	14,999	3,107	689
DISTRICT 1 TOTAL	65,776	32,392	28,004	5,380	430	9,434	70,701●	21,994	16,270
DISTRICT 2 TOTAL	65,160	29,628	29,327	6,205	1,605	7,633	39,145	3,526	17,406
DISTRICT 3 TOTAL	67,339	24,955	24,797	17,587	2,720	12,441	36,440	13,065	52,107
DISTRICT 4 TOTAL	5,857	2,824	1,620	1,413	332	661	2,618	447	2,886
DISTRICT 5 TOTAL	27,007	8,691	10,341	7,975	1,783	5,823	10,737	8,764	23,089
TOTAL U.S.	231,139	98,490	94,089	38,560	6,870	35,992	159,641	47,796	111,758
TOTAL U.S. Weeks Ended:									
OCT. 7, 1983	228,504	95,447	94,102	38,955	6,720	32,993	157,497●	47,310	114,061
OCT. 15, 1982	234,905	*N/A*	97,228	*N/A*	5,983	33,377	168,722	59,917	116,063
DISTRICTS 1–4 Weeks Ended:									
OCT. 14, 1983	204,132	89,799	83,748	30,585	5,087	30,169	148,904	39,032	88,669
OCT. 7, 1983	200,073	86,250	82,758	31,065	5,111	27,100	147,081●	38,974	90,288
OCT. 15, 1982	206,480	*N/A*	86,739	*N/A*	4,664	27,836	158,892	50,589	91,058

[1]Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

[2]Includes Grade No. 4 fuel oil.

NA-Not Available

● *SEE REVISIONS ON PAGE* 8

WEEKLY STATISTICAL BULLETIN
Week Ended *OCTOBER* 14, 1983

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Estimated Domestic Production[1] Latest Dept. of Energy *MAY* 1983	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
		Daily Average			
DISTRICTS 1-4 TOTAL					
OCT. 14, 1983	5,836.0	5,828.0	3,120	280	263,184
OCT. 7, 1983	5,830.0●	--	3,063	237	265,874
SEP. 30, 1983	5,830.0●	--	3,777	227	264,192
SEP. 23, 1983	5,830.0●	--	4,146	292	263,898
DISTRICT 5 TOTAL					
OCT. 14, 1983	2,855.5	2,787.0	220	--	87,770 *
OCT. 7, 1983	2,850.1●	--	220	--	83,576
SEP. 30, 1983	2,850.1●	--	96	8	83,336
SEP. 23, 1983	2,850.1●	--	224	7	83,875
TOTAL U.S.					
OCT. 14, 1983	8,691.5	8,615.0	3,340	280	350,954 *
OCT. 7, 1983	8,680.1●	--	3,283	237	349,450
SEP. 30, 1983	8,680.1●	--	3,873	235	347,528
SEP. 23, 1983	8,680.1●	--	4,370	299	347,773
OCT. 15, 1982	8,683.6 /A	--	3,203	162	340,190

*INCLUDES 31,250 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.

/A DOE ACTUAL FOR OCTOBER 1982.

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1–4	District 5	Total U.S.
Weeks Ended:							
OCT. 14, 1983	14,348	76,898	159,469	12,469	263,184	87,770 *	350,954 *
OCT. 7, 1983	16,095	76,482	160,320	12,977	265,874	83,576	349,450
OCT. 15, 1982	18,795	69,332	149,301	11,753	249,181	91,009	340,190

[1]See definitional notes, Page 6.

API WEEKLY STATISTICAL BULLETIN
Week Ended *OCTOBER* 14, 1983

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline[1]	Motor Gasoline: Finished Leaded	Motor Gasoline: Finished Unleaded	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Distillate Fuel Oil[2]	Residual Fuel Oil	L.P.G.	Unfinished Oil[3]	Other	Total
New England	--	--	--	--	--	86	71	1	--	--	158
Central Atlantic	141	--	141	--	10	257	542	17	110	45	1,122
Lower Atlantic	58	43	15	--	--	46	110	--	--	2	216
DISTRICT 1 TOTAL											
OCT. 14, 1983	199	43	156	--	10	389	723	18	110	47	1,496
OCT. 7, 1983	261	143	118	--	37	228	744	5	86	118	1,479
SEP. 30, 1983	261	146	115	--	8	181	607	3	85	43	1,188
SEP. 23, 1983	229	89	140	--	42	204	662	6	150	143	1,436
DISTRICTS 2-4 TOTAL											
OCT. 14, 1983	3	3	--	--	6	20	36	40	10	144	259
OCT. 7, 1983	3	3	--	--	6	15	27	99	116	39	305
SEP. 30, 1983	34	34	--	--	10	3	27	96	99	55	324
SEP. 23, 1983	2	2	--	--	5	4	64	103	200	17	395
DISTRICT 5 TOTAL											
OCT. 14, 1983	22	11	11	--	2	4	47	15	19	20	129
OCT. 7, 1983	28	17	11	--	2	5	26	8	2	10	81
SEP. 30, 1983	43	22	21	--	3	5	54	14	8	37	164
SEP. 23, 1983	42	34	8	--	3	4	55	8	--	10	122
TOTAL U.S.	224	57	167	--	18	413	806	73	139	211	1,884
TOTAL U.S. Weeks Ended:											
OCT. 7, 1983	292	163	129	--	45	248	797	112	204	167	1,865
SEP. 30, 1983	338	202	136	--	21	189	688	113	192	135	1,676
SEP. 23, 1983	273	125	148	--	50	212	781	117	350	170	1,953
OCT. 15, 1982	200	*N/A*	60	--	--	78	429	125	200	48	1,084

[1]Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

[2]Includes Grade No. 4 fuel oil.

[3]See definitional notes, Page 6.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subseguent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

ESTIMATED DAILY AVERAGE PRODUCTION OF CRUDE OIL AND LEASE CONDENSATE

(In thousands of 42—gallon barrels)

	API Estimated Production		Dept. of Energy
	September 1983	August 1983	May 1983
Florida	57.0	59.0	54.0
New York-Pennsylvania	14.0	14.0	14.0
Virginia	-	-	-
West Virginia	8.0	8.0	10.0
Illinois	81.0	82.0	80.0
Indiana	16.0	19.0	14.0
Kansas	196.0	196.0	192.0
Kentucky	23.0	23.0	22.0
Michigan	91.0	91.0	78.0
Missouri-Tennessee	4.0	4.0	4.0
Nebraska	18.0	18.0	18.0
Ohio	40.0	40.0	40.0
Oklahoma	442.0	440.0	443.0
North Dakota	138.0	140.0	137.0
South Dakota	3.0	3.0	3.0
Alabama	52.0	53.0	53.0
Arkansas	52.0	52.0	52.0
Mississippi	84.0	84.0	83.0
New Mexico-So. East	187.0	186.0	186.0
New Mexico-Other	15.0	14.0	16.0
North Louisiana	93.0	95.0	91.0
South Louisiana	1,207.0	1,185.0	1,211.0
Total Louisiana	1,300.0	1,280.0	1,302.0
Texas			
District 1	67.0	67.0	67.0
District 2	108.0	108.0	110.0
District 3	360.0	362.0	356.0
District 4	74.0	75.0	74.0
District 5	24.0	24.0	26.0
District 6, East Texas Field	142.0	142.0	143.0
Other	113.0	114.0	114.0
District 7-B	91.0	91.0	93.0
District 7-C	93.0	95.0	91.0
District 8 and 8-A	1,243.0	1,250.0	1,241.0
District 9	103.0	105.0	104.0
District 10	57.0	57.0	59.0
Total Texas	2,475.0	2,490.0	2,478.0
Colorado	77.0	80.0	75.0
Montana	80.0	81.0	85.0
Utah	65.0	64.0	79.0
Wyoming	312.0	315.0	310.0
Total Dists. 1-4	5,830.0	5,836.0	5,828.0
Alaska	1,730.6	1,693.6	1,663.0
Arizona	1.0	1.0	1.0
California	1,116.5	1,116.0	1,121.0
Nevada	2.0	2.0	2.0
Total Dist. 5	2,850.1	2,812.6	2,787.0
Total U.S.	8,680.1	8,648.6	8,615.0

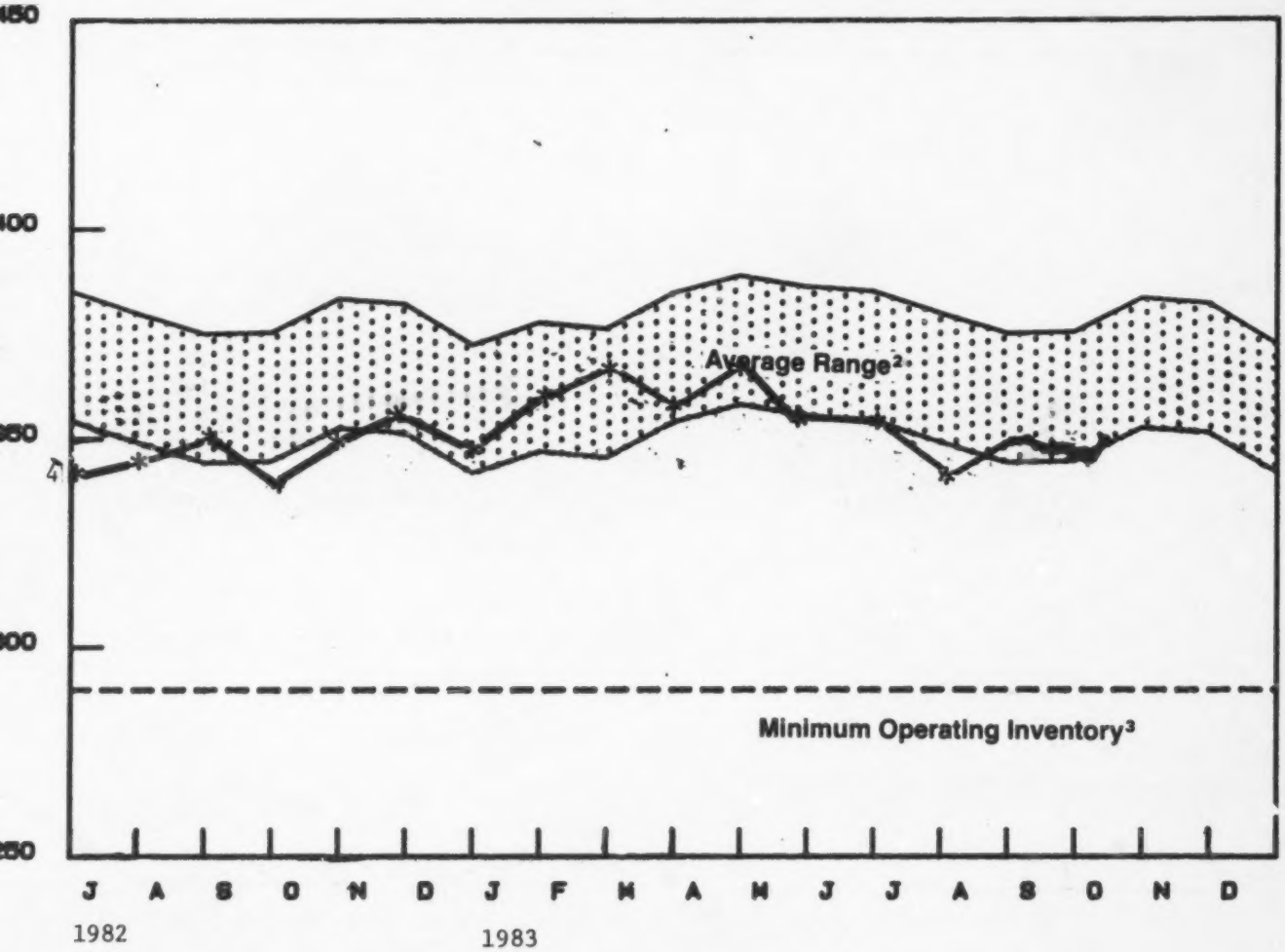
REVISIONS

10/07/83	PAGE 1	TOTAL REFINERY INPUT	IND., ILL., KY.	1,876
			DISTRICT 2 TOTAL	2,807
			TOTAL U.S.	12,591
			DISTRICTS 1-4	10,636
	PAGE 3	DISTILLATE FUEL	CENTRAL ATLANTIC	42,144
			DISTRICT 1 TOTAL	69,835
			TOTAL U.S.	157,497
			DISTRICTS 1-4	147,081

MILLIONS OF BARRELS

Week Ended OCTOBER 14, 1983

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

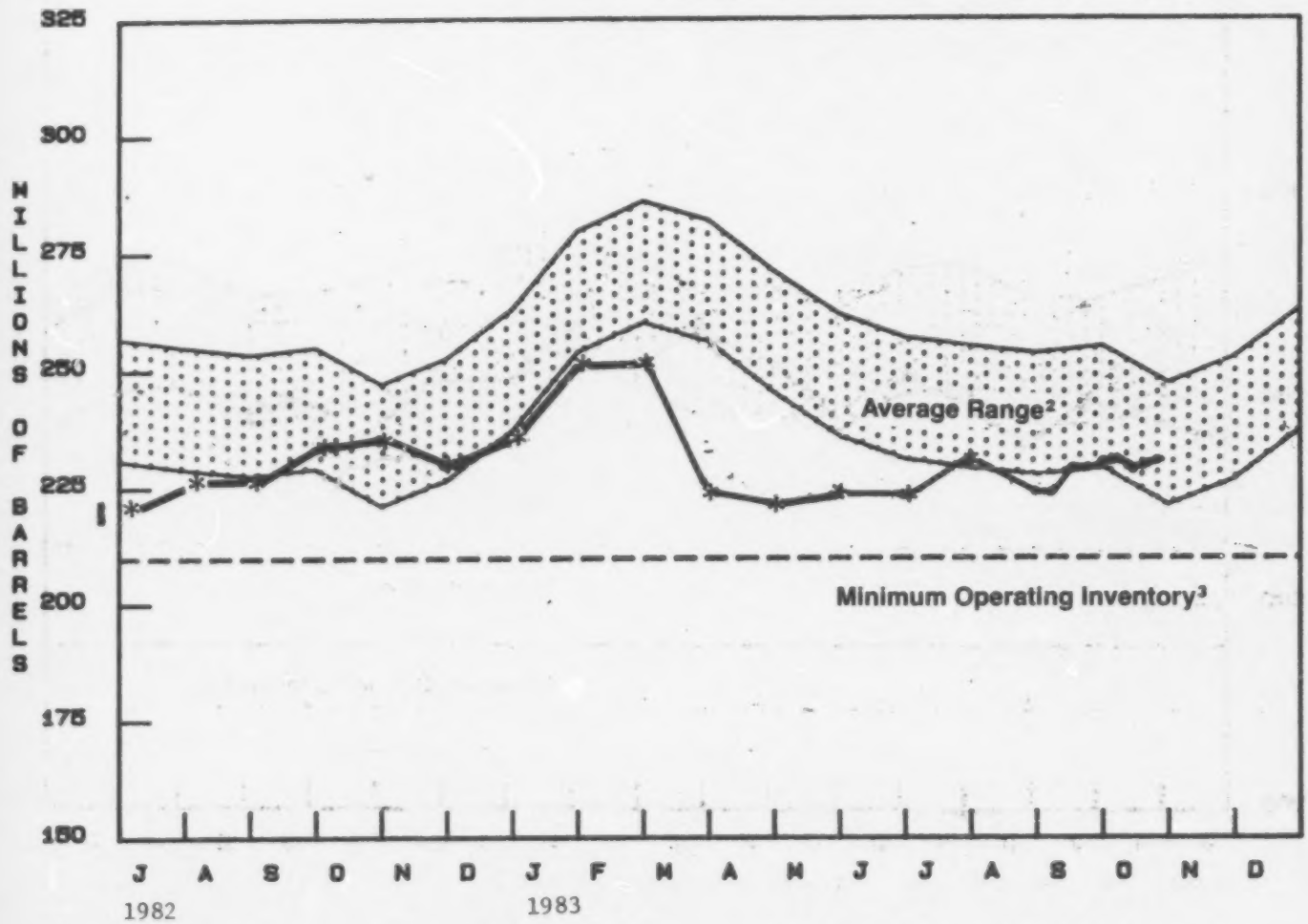
[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Week Ended OCTOBER 14, 1983

Motor Gasoline Stocks at Primary Level[1,5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

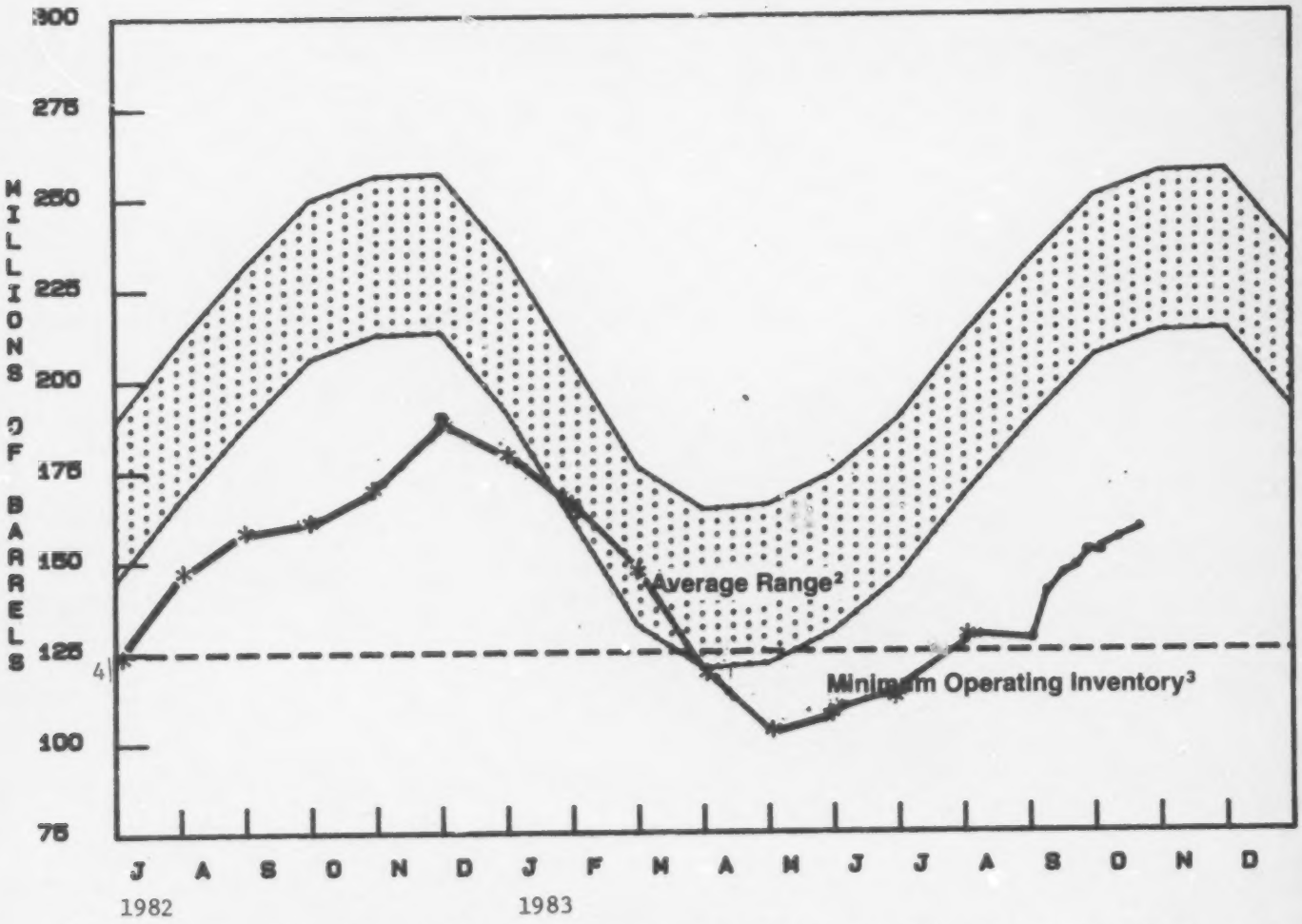
[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Distillate Fuel Oil Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

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[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.